

## ABSTRACT OF THE DISCLOSURE

A system and method for context-sensitive federated search across multiple heterogeneous data sources in real-time are disclosed. A user interface receives search query context information from a user. A decision engine interprets the search query context through an internal query classification system. Data sources relevant to the search query are identified for searching. The identification of data sources is aided by dynamically updated source statistics where relevance factors of various sources with respect to different input search categories are stored. These data sources are suggested to the user. Based on the user selection, search queries are formulated for each source and search results are retrieved via associated communication protocols. These search results are consolidated and formatted for presenting to the user. Further, the relevance of the sources to the input categories are automatically updated based on the result sets and user selections.